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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JANE MACFARLANE	12/21/2016
BO XU	12/19/2016

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15388879	

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NAME OF SUBMITTER: KHOUANE DITTHAVONG		
SIGNATURE: /Khouane Ditthavong/		
DATE SIGNED:	01/25/2017	

Total Attachments: 3

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PATENT REEL: 041082 FRAME: 0241 504196075

ASSIGNMENT

I/we, (The ASSIGNOR(S)):

Jane Macfarlane Bo Xu

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby assign to (hereafter referred to as The ASSIGNEE):

HERE Global B.V. Kennedyplein 222 -226 5611 ZT Eindhoven Netherlands

An invention entitled (invention Title):

METHOD AND APPARATUS FOR PROVIDING ADAPTIVE LOCATION SAMPLING IN MOBILE DEVICES

The PAT	ENT RIGHTS referred to in this agreement	are:				
***	a national Patent Application No.	filed on				
	European Patent Application No.	filed on				
Name of the last o	PCT application No.	filed on				
for this is	rvention, executed by the ASSIGNOR(S)					
X	U.S. Patent Application Serial No. 15	5/388,879 filed Dec	ember 22, 2016			
,	U.S. Patent No.					
The PAT	ENT RIGHTS assigned under this agreeme	nt are:				
<u>X</u>	U.S. Patent rights					
X	worldwide Patent rights. In this case, the assignee shall have the right to claim the					
TT.	benefit of the filing date of any Patent	Application identified above	St. 10 400 0100111 11100			
X	the full and exclusive right to the invention:					

The ASSIGNOR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns:

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

Further, I/We authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

Each Inventor: Please sign and date below:

PATENT REEL: 041082 FRAME: 0242 Jane Macfarlance

Witness Enginature Printed Name

Algopardins M. Bayen

Character, institute of Transportation Studies

Liss-Cito Professor of Engineering

University of Collision, Stationy

12-21-16

Date

12-21-16 Data

Date

HN90254

[Bo Xu]

Witness Signature Printed Name

12/19/2016 Date 12/19/2016

PATENT REEL: 041082 FRAME: 0244

RECORDED: 01/25/2017